

Tree; leaves 4-lobed; flowers large; sepals 3; petals 6, greenish-yellow with orange blotch; receptacle ripening into a cone of dry samara-like fruits.

REFERENCES: Riddell 1834:117; Braun 1961:145 (illus. p. 146).

HERBARIUM RECORDS: Spring 1889—Cols., *Craig*; Jun 1891—Hommon's Corners, Cols., *Selby*; 1897—OSU Campus, *Ruppersberg* 24; 14 Jun 1898—Cols., *J. H. Schaffner*; 3 Jun 1901—OSU campus, cult., *Mead*; 7 Oct 1901—City Park, planted, Cols., *Hartford*; 1912—OSU campus, cult., Cols., *J. H. Schaffner*; 18 Jun 1928—Westerville, open woods, common, *Hicks*; 15 Jun 1935—Minerva Park, Cols., *Blaydes*; [ca. 1982]—Blendon Woods, not common, tree near Blind may have been planted, *Owens*; 10 Jun 1983—OSU campus, cult. on Oval, Cols., *T. Lammers* 5106 (BHO, OS); 19 May 1986—OSU campus, Oval, Cols., *Blanco*; 28 May 1986—OSU campus, Oval near Bricker Hall, *Yang* 207; 31 May 1986—Worthington, corner of Larrimer & Hayhurst, *Benkowski* 37; 26 May 1988—OSU campus, N Oval, S of Bricker Hall, *Gerberick* 49; 14 Jun 1989—OSU campus, E side of Biological Sciences Bldg., Cols., Clinton Twp., *Lowden* 4158; 18 May 1991—OSU, N side of Oval, Cols., *Gara* 58.

NOTE: Sullivant 1840:7 and Selby & Craig 1890:7 reported on plants collected in adjacent counties.

ANNONACEAE, Custard-apple Family

1. ASIMINA Adans. Pawpaw

Small tree with alternate 2-ranked simple leaves; blades entire, obovate to oblanceolate; flowers hypogynous, bisporangiate, short-peduncled, 3-4 cm wide, from buds in axils of last year's leaves, appearing before or with young leaves of the season; perianth regular; sepals 3; petals 6, in 2 whorls, separate, maroon; stamens many spirally arranged, filaments short, anthers 4-loculed; carpels few to several, separate, each of the 1-few that mature becoming a fleshy several-seeded berry 5-12 cm long.

1. *Asimina triloba* (L.) Dunal

Pawpaw

Small shrub or tree; leaves alternate, 2 ranked, simple; blades entire, obovate to oblanceolate; flowers appear before or with young leaves of the season; perianth regular; sepals 3; petals 6, in 2 whorls, separate, maroon; stamens many; fruit a fleshy several-seeded berry.

REFERENCES: Riddell 1834:117 (bottomland); Sullivant 1840:7 (*Uvaria triloba* Torr. & A.Gray); Craig 1890:64 (this tree is well distributed, preferring a deep rich soil, common along the river, in the woods, and on the island where it was formerly very abundant, but nearly all the trees were cut down when the island was cleared off, and the few specimens that remain are small shrubs that bear but little fruit, 23 May 1882, 5 May 1883, 28 May 1884, 23 May 1885, 7 May 1887, 10 May 1888, 24 Apr 1889); Selby & Craig 1890:7; Braun 1961:149 (illus. p. 148).

HERBARIUM RECORDS: 1833—Worthington, *J. Paddock Collection* (ILL); 1840—Cols., *Sullivant*; Apr 1890—Wyandotte Grove, Cols., *Selby*; 27 Apr 1892—near Cols., *E. M. Wilcox*; 1897—OSU Farm, Cols., *Ruppersberg* 46; 10 Sep 1901—Cols., *Tyler & Jennings*; 6 Oct 1902—Cols., *Sanders*; May 1911—NE of Westerville, *Hanawalt*; 21 May 1971—just N of Hudson St. on N Olentangy River Rd., *Wagner & D. Keil et al.* 7247; [ca. 1982]—Blendon Woods, fairly common, *Owens*; 25 Apr 1985—Scioto R., Rt. 33 ½ mi. S of Rt. 161, quarry allotment, *Rutter*; 17 Jun 1986—Highbanks Metro Park (Delaware Co.), floodplain along Olentangy R., *Kosko*; 28 Apr 1987—W bank of Olentangy R., N of Dodridge St. bridge & E of Union Cemetery (S unit), mesic forest on floodplain, Cols., *T. Lammers* 6085; 9 May 1988—½ mi. N of Henderson Rd., bike path W of Olentangy R., *Chinery* 28; 6 Jul 1991—OSU University Woods, W of Kenny Rd., & N of Lane Ave., back of Agronomy Turfgrass Research Center, Cols., Clinton Twp., *Lowden* 4774.

CALYCANTHACEAE, Strawberry-shrub Family

1. CALYCANTHUS L. Sweet Shrub, Carolina Allspice

Shrubs; leaves opposite, simple; blades ovate, entire; flowers perigynous, bisporangiate, regular, solitary; perianth parts many, separate, similar, lanceolate, maroon, attached at or below rim of the concave hypanthium (receptacle); stamens several to many; carpels several to many, separate, within the concavity; fruit an aggregate of achenes enclosed by the hypanthium.

1. **Calycanthus floridus* L.

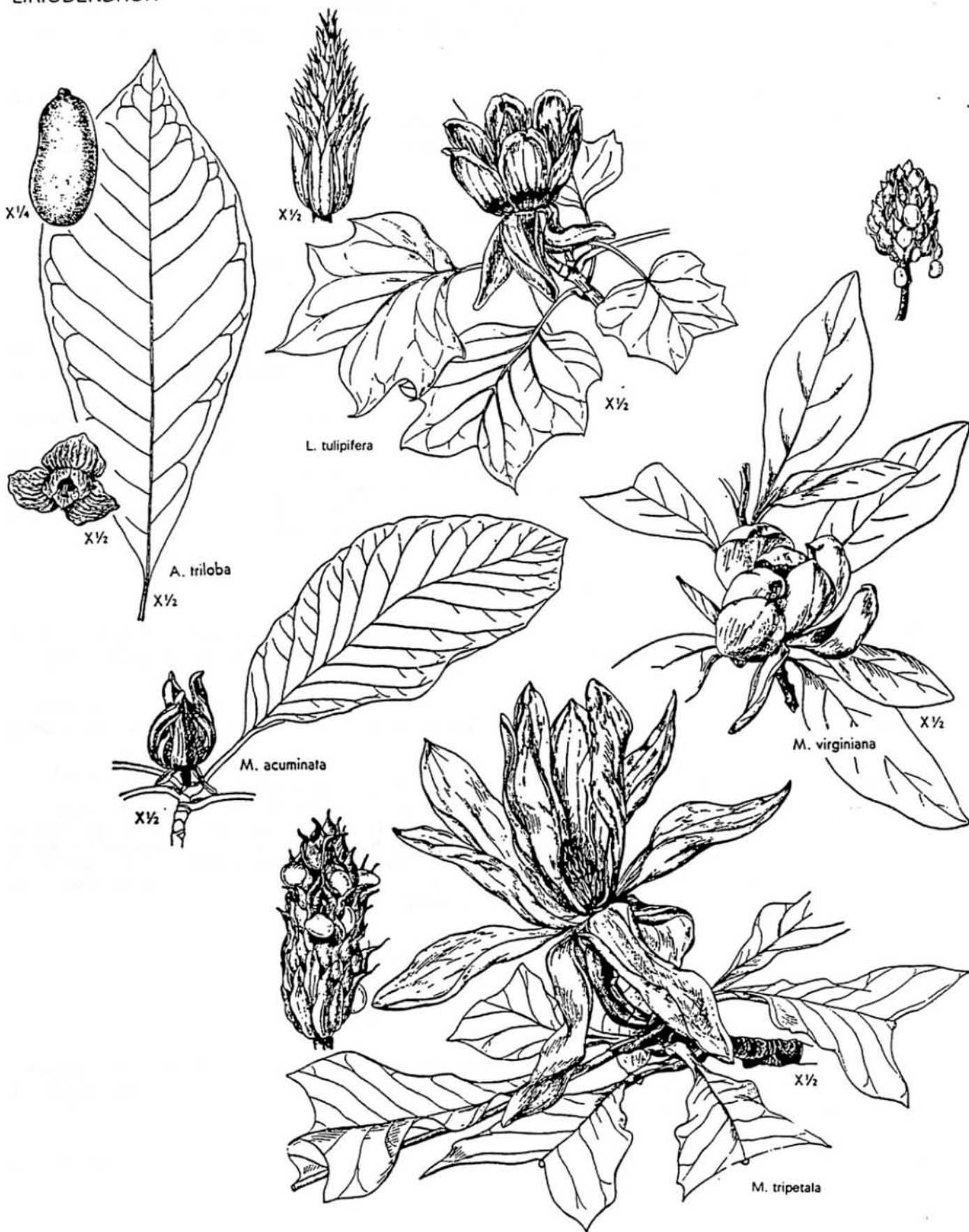
Cultivated

Shrub; leaves opposite, simple, ovate to elliptic, soft pubescent beneath; flowers strawberry-fragrant; tepals maroon-red, attached at or below rim of hypanthium; carpels separate within hypanthium cup; stamens many.

HERBARIUM RECORDS: 9 Jun 1921—Westerville, cult., *Hite*; 16 May 1982—444 E. Acton Rd., ½ mi. E of High St., backyard, cult. shrub 12 feet, Cols., *Paulsen* 54; 15 May 1988—OSU, NW corner of Mirror Lake, cult., 15-20 shrubs, *Chinery* 29.

NOTE: See Braun 1961:147.

MAGNOLIA
ASIMINA
LIRIODENDRON



LAURACEAE, Laurel Family

Trees and shrubs; spicy-aromatic; leaves alternate, simple, petioled; flowers small, yellow or greenish-yellow, usually monosporangiate, the carpellate with vestigial stamens, the staminate with vestigial carpel; perianth (here called calyx) regular, of 6 segments; staminate flowers with 9 stamens, the 3 inner ones with glands at base; anthers opening by uplifted lids; carpel 1; fruit a 1-seeded ellipsoid drupe.

- a Blades unlobed, 2-lobed, and 3-lobed on same tree; flowers pediceled, in terminal clusters; stems up to several years old, green; anthers 4-loculed; dioecious. **1. SASSAFRAS**
a' Blades not lobed; flowers sessile or nearly so, in lateral clusters; stems older than 1 year, not green; anthers 2-loculed; dioecious or imperfectly so. **2. LINDERA**

1. SASSAFRAS Nees Sassafras

Small trees; twigs green; dioecious; flowers from buds at apex of branches of previous year, appearing before or with young leaves; calyx persistent in fruit; anthers opening by 4 uplifted lids; carpellate flowers with 6 rudimentary stamens; fruit blue.

1. *Sassafras albidum* (Nutt.) Nees

Sassafras

Small trees, dioecious, spicy-aromatic; stems green; leaf blades unlobed, 2 or 3-lobed; flowers in terminal clusters, pediceled, appearing before or with young leaves; fruit blue.

REFERENCES: Riddell 1834:117 (*Laurus sassafras*); Sullivant 1840:24 (*Laurus sassafras*); Selby & Craig 1890:15; Kellerman & Werner 1893:226 (quite abundant along the Big Darby, near Georgesville); Braun 1961:149 (illus p. 148).

HERBARIUM RECORDS: May 1884—near Cols., *E. M. Wilcox*; 1889—E of Alum Creek, near Cols., *Selby*; 7 May 1892—Georgesville, *Werner*; 1897—OSU campus, *Ruppertsberg 44*; 7 Jul 1898—Cols., *J. H. Schaffner*, [ca. 1982]—Blendon Woods, common, *Owens*; 21 Apr 1986—Highbanks Metro Park (Delaware Co.), wood edge, *Watts 290*; 28 Apr (flowers) & 26 May (foliage) 1988—OSU campus, S of Animal Science Bldg., *Gerberick 18*; 1 Aug 1990—E side of Hoover Dam Park, woods just W of entrance off Cabbage Rd. & S of Walnut St., Blendon Twp., *Lowden 4490*; 31 May 1993—bluffs above Graessle Rd., Battelle Darby Metro Park, just S of Rt. 665, Pleasant Twp., *Lowden 5056*.

2. LINDERA Thunb. Spicebush

Shrubs; leaf-blades obovate or elliptic, acute at base; mostly dioecious; flowers appearing before the leaves; calyx deciduous in fruit; anthers opening by 2 valves; carpellate flowers with several staminodes in 2 forms; fruit red.

1. *Lindera benzoin* (L.) Blume

Spicebush

Shrubs, spicy-aromatic, dioecious or imperfectly so; leaf blades obovate or elliptic; flowers in lateral clusters, nearly sessile, appearing before the leaves; fruit red.

REFERENCES: Riddell 1834:117 (*Laurus benzoin*); Sullivant 1840:24 (*Laurus benzoin* L.); Craig 1890:99 (there are two bushes growing along the brook S of the lake, 24 Apr 1882, 16 Apr 1883, 15 Apr 1888, 2 Apr 1889); Selby & Craig 1890:15; Braun 1961:150 (illus. p. 148).

HERBARIUM RECORDS: 1890—Neil's Run, near Cols., *Selby*; 7 Apr 1892—Cols., *Bogue*; 30 May 1896—Reservoir Park, *M. Wright*; 16 Apr 1901—Cols., *Mead*; Sep 1911—Westerville, thickets, *Hanawalt*; [ca. 1925]—Westerville, moist woods, *Camp*; 4 Jul 1972—Alton-Darby Creek Rd. & Cole Rd., woodlot, *D. Keil 9331*; 18 Apr 1980—¼ mi. N of Rt. 161, ½ mi. E of Ulry Rd., common in disturbed wet woods, just E of Blendon Twp. line, Plain Twp., *W. Carr 2625*; [ca. 1982]—Blendon Woods, common, *Owens*; 5 Oct 1986—Highbanks (Delaware Co.), woods, *B. McDonald 03* (OS, OWU); 10 Jun 1991—Boyer Park at end of Park St., E of Rt. 3, Westerville, Blendon Twp., *Lowden 4679*; 13 Apr 1992—Camp Mary Orton (Godman Guild), N of Worthington, W of Rt. 23, woods, Sharon Twp., *Lowden 4899*.

SAURURACEAE, Lizard's Tail Family

1. SAURURUS L. Lizard's Tail

Perennial herb of marshes or shallow water; leaves alternate, simple, blades cordate-ovate; flowers hypogynous, bisporangiate, small, bracted, in peduncled nodding spikes; perianth none; stamens 6-8; filaments white; carpels 3-4, united only at base, indehiscent in fruit; styles short, curved outwardly.

1. *Saururus cernuus* L.

Lizard's Tail

CALYCANTHUS
SASSAFRAS
LINDERA
SAURURUS

